

### **ABSTRACT**

The invention relates to a method for winding a stator for a brushless direct current motor, which has a stator body (9) with a predetermined number of to be wound stator teeth (3) with the stator teeth (3) respectively being wound with two coils (W1, W3; W2, W4) which are magnetically coupled and which facilitate by supply of current with variable directional orientation the generation of opposite magnetic fields, whereby each of the two coils (W1, W3; W2, W4) comprises a predetermined number of in parallel arranged conductors. According to the invention, the stator teeth (3) are respectively wound simultaneously in several partial winding steps, with two conductors (25, 27) or with an even number of  $2n$  conductors, whereby one of the two conductors (25, 27) or  $n$  conductor of the  $2n$  conductors is allocated to the one coil and the other of the two conductors (25, 27) or the other  $n$  conductor of the  $2n$  conductors are allocated to the other coil and whereby a pre-determined number of partial winding steps is performed until the pre-determined number of conductors per coil (W1, W3; W2, W4) has been reached. In addition, the invention relates to an appropriate stator.

The principal drawing is Fig. 3.